

AMENDMENTS TO THE SPECIFICATION:

Starting on Page 4 Line 10 through page 5 line 10:

In one embodiment the present invention uses a novel method which is found in Grober, US 6,611,662 to make the stable platform autonomous and self correcting. Two sensor packages are used. The first is located on the vehicle or vessel and monitors high speed movement. A second sensor is a level type sensor which is placed upon the level platform. The bias and scale factor errors of sensor package A are corrected over time by the level type sensor package B on the stable platform. Another advantage in this embodiment is that the use of a level type sensor ~~on the stable platform~~ will create an artificial horizon that is level in relation to the natural centrifugal, acceleration, deceleration and gravitational forces whenever the vehicle is turning, accelerating or decelerating.

The effect on an occupant is that in a turn, the stable platform will “bank” in the proper direction so that the occupant feels as if they are on a level platform. This in turn keeps the inner ear fluid level. Without this banking effect, the natural forces exhibited in turns, accelerations or decelerations, ~~centrifugal force of the turn~~ will cause the inner ear fluid to seek the artificial horizon, which, if the occupant is maintained level, will introduce a sense of motion that is unwanted. This effect is clearly demonstrated in an airplane turn. If the aircraft does not bank in the turn, the occupants feel as if they are being thrown to the side of their seats. If the proper bank is applied, there is no occupant sensation that the aircraft is proceeding through a turn.

Eliminating motion sickness requires that the sense of motion be removed. Powell does not remove the sense of motion created by the natural centrifugal forces which are an integral part of any moving environment.

The present invention automatically corrects to remove the effects of the natural centrifugal forces. In addition the “banking” effect can be adjusted to act immediately or diminished to be hardly noticeable depending on the frequency with which the level sensor output is utilized in processing the stable platform position. A low frequency utilization will result in a slow correction or “bank” of the stable platform to the artificial horizon. A high frequency utilization will result in the stable platform being more consistent with the sensor’s actual indicated horizon.